

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **2003-324215**

(43)Date of publication of application : **14.11.2003**

(51)Int.Cl.

H01L 33/00

(21)Application number : **2002-128790**

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(22)Date of filing : **30.04.2002**

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(54) LIGHT EMITTING DIODE LAMP

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a light emitting diode lamp wherein a fluorescent material emits light effectively having a prescribed bright color.

SOLUTION: A light introducing and scattering layer 14 is constituted of a scattering member 22 and a transparent binder 23 which perform the introduction and diffusion of light wherein emission light from a light emitting diode chip 11 is received directly in a state of bonding. In the layer 14, light introduced by the scattering member 22 is diffused by changing the reflecting direction of the light complicatedly, and introduced in a fluorescent light emitting layer 17 composed of the transparent binder 16 containing a fluorescent material 15 that emits light with a prescribed color. The light introducing and scattering layer 14 reduces the possibility of direct incidence to the fluorescent material 15 of the fluorescent light emitting layer 17 in a state that a light density is high as direct light from the light emitting diode chip 11, so that incidence in the fluorescent material 15 is performed in a state that the incident light is dispersed, and light emission is performed

by the whole of the fluorescent light emitting layer 17, thereby enabling effective light emission.

LEGAL STATUS

[Date of request for examination]

24.09.2004

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of

rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]